

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An electrode of an alkaline fuel cell, ~~said the~~ electrode comprising an insulating frame ~~having comprising~~:

~~a plurality of ports for feeding and discharging~~ configured to feed and discharge reagents; ~~reagents~~;

a mesh current collector embedded in the frame and having lead-outs extending beyond the ~~frame~~; ~~frame~~;

an active layer and a barrier layers sequentially applied onto the mesh current collector, ~~characterized in that wherein~~ sites of the embedment of the current collector and the lead-outs in the ~~insulating frame~~, and a periphery of the current collector along an inner edge of the ~~insulating frame~~ are ~~provided with~~ include a sealing layer.

2. (Currently Amended) The electrode according to claim 1, ~~characterized in that wherein~~ the sealing layer is made of an electrolyte non-wettable substance.

3. (Currently Amended) The electrode according to claim 2, ~~characterized in that the~~ sealing layer is made of wherein the sealing layer is formed from fluoroplastic.

4. (Currently Amended) A method ~~for of~~ producing an electrode of an alkaline fuel cell, ~~said the~~ method ~~including comprising~~:

producing a mesh current collector ~~having including~~ lead-outs; ~~lead-outs~~;

sequentially applying an active layer and a barrier layers onto the mesh current ~~collector~~; ~~collector~~;

embedding the current collector ~~having the lead-outs~~ into an insulating frame; ~~characterized in that, before~~

prior to the application of the active and barrier layers onto the current collector, impregnating edges of the current collector and the lead-outs in sites of the embedment into the insulating frame ~~are impregnated with a lacquer solution~~; ~~and and~~;

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after the embedding of the current collector ~~has been embedded~~ into the insulating frame, impregnating a periphery of the current collector along an inner edge of the insulating frame ~~is impregnated~~ with the lacquer solution.

5. (Currently Amended) The method according to claim 4, ~~characterized in that~~ further comprising:

using a solvent wetting the mesh current collector ~~is used~~ as a solvent for the lacquer; and lacquer;

evaporating the solvent, wherein the lacquer is ~~and~~ a substance which forms a continuous, electrolyte non-wettable film after evaporating the solvent. ~~evaporation is used as the lacquer.~~